2814 13 Ton

LIMA LOCOMOTIVE CORPORATION

LIMA, OHIO, U. S. A.

GEARED LOCOMOTIVE

DETAIL INDEX No. 2814

Class S 13 Special Dept. 40.

Engine Order No. 2814 1915

Engine Order No. 19

Engine Order No. 19

Engine Order No. 19

Engine Order No. 19

Engine Order No. 19

Engine Order No. 19

Engine Order No. 19

Engine Order No. 19

2814

FORM LED. 60

2814
13 Ton

Index No. 2814 Date of Issue

ADDITIONS AND CHANGES

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DATE	ADDITIONS PAGE	ITEMS	

DATE	CHANGES PAGE	ITEMS	
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Check	Item	TITLE	No. Pce.	PRINCIPAL DRAWING		No. Pce.	FORGINGS	No. Pce.	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes		Sketch No.		Cast Iron	Cast Steel	Brass	Mal. Iron
	1	ASH PAN										
	2	" " Hopper										
	3	" " Slide										
	4	" " Door Frame										
	5	" " Slide Frame										
	6	" " Door Links										
	7	" " Damper Rigging										
	8	" " " Bell Crank										
	9	" " " " " Fulcrum										
	10	" " " Hinge										
	11	" " " Hinge Lug										
	12	" " " Hinge Bar										
	13	" " " Lift—Front										
	14	" " " Lift—Rear										
	15	" " " Lug										
	16	" " " "										
	17	" " " Rod										
	18	" " Netting Frames										
	19	" " Slide Rigging										
	20	" " Slide Rod										
	21	" " " Jaw										
	22	" " Shaft Bearing										
	23											
	24											
	25											
	26											
	27											
	28											
	29	BELL										
	30	" Frame										
	31	" " Base										
	32	" Stand										
	33	" Yoke										
	34	" " Nut										
	35	" Crank										
	36	" Tongue										
	37	" " Fulcrum										
	38	" Ringer Bracket										
	39	" Rope Eye										
	40	" " Sheave										
	41	" " Thimble										
	42											
	43											
	44	BOTTOM BRACKET										
	45	Bottom Bracket Caps										
	46	" " Bearing—Top										
	47	" " Bearing—Bottom										
	48	" " Bearing Wedges										
	49	" " Wedge Screw Cap										
	50											
	51											
	52	BRACKETS										
	53	Air Gauge Bracket										
	54	Brake Valve Bracket										
	55	Cab Lamp Bracket										
	56	Feed Pipe Brackets										
	57	Injector Bracket										
	58	Lubricator Bracket										
	59	Oil Cup Bracket										
	60	Steam Gauge Bracket										
	61	Siphon Hose Bracket										

STD. STOCK
STD. STOCK
STD. STOCK
STD. STOCK
STD. STOCK
STD. STOCK
STD. STOCK
STD. STOCK

Check	Item	TITLE	No. Pce.	PRINCIPAL DRAWING		No. Pce.	FORGINGS	No. Pce.	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes		Sketch No.		Cast Iron	Cast Steel	Brass	Mal. Iron
	1	BOILER PLAN										
	2	" Sections										
	3	" Material Bill										
	4	" Bracing List										
	5	" Brace Rod Ends										
	6	" " " "										
	7	" " " "										
	8	" " " Lugs										
	9	" " " "										
	10	" " " "										
	11	" " " Jaws										
	12	" " " "										
	13	" " " "										
	14	" Sling Stay										
	15	" " "										
	16	" Throat Brace										
	17	" " "										
	18	" Crown Bars										
	19	" " Roof Irons										
	20	" Stay Bolt										
	21	" " "										
	22	" Radial Stay										
	23	" " "										
	24	" " "										
	25	" Cross Stay										
	26	" Tee Irons										
	27	" Dome										
	28	" " Flange										
	29	" " " Radius										
	30	" " Ring										
	31	" " Cap										
	32	" Mud Ring										
	33	" " Drum										
	34	" Tube Sheet Ring										
	35	" Smoke Box Ring										
	36	" " " "										
	37	" Tube Setting										
	38	" " "										
	39	" Combustion Tube										
	40	" Check Flange										
	41	" Plug Flange										
	42	" " "										
	43	" Test Plate										
	44	" " Pressure, Steam										
	45	" " " Water										
	46	" Working Pressure										
	47											
	48											
	49											
	50											
	51											
	52	BOLT LIST										
	53											
	54											
	55											
	56	BUMPER Buffer										
	57											
	58											
	59	BRAKE CYL. SUPPORT										
	60											
	61											

Check	Item	TITLE	No. Pce.	PRINCIPAL DRAWING		No. Pce.	FORGINGS	No. Pce.	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes		Sketch No.		Cast Iron	Cast Steel	Brass	Mal. Iron
	1	BRAKE Cylinder										
	2	" "										
	3	" " Head										
	4	" " Head										
	5	" " Stuff. Box Gland										
	6	" " Stuff. Box Gland										
	7	" Piston										
	8	" Piston										
	9	" " Rings										
	10	" " "										
	11	" " "										
	12	" " Rod										
	13	" " "										
	14	" " Rings										
	15	" " "										
	16	" " "										
	17	" " "										
	18	" Heads										
	19	" Shoes										
	20	" Strut										
	21	" Reservoir Blocks										
	22	" Reservoir Support										
	23	" Reservoir Strap										
	24	" Pump Bracket										
	25											
	26	BRAKE VALVE										
	27	" Valve Base										
	28	" " Cap										
	29	" " Slide Valve										
	30	" " Stem										
	31	" " Handle										
	32	" " Stuffing Box										
	33	" " Stuffing Box Nut										
	34	" " Stuffing Box Follower										
	35											
	36											
X FD	37	CAB	1	A-11156 LINE 2	WOOD	—		—				
	38	" Material Bill										
	39	" Brace										
	40	" Corner Bracket										
	41	" Corner Iron										
	42	" Roof Brace										
	43	" Strap										
	44	" Saddle										
XHO	45	" " Plate	1	A-11172 SETS PLATE								
	46	" Sash Fixture										
	47	" Storm Window										
	48	" Awning										
	49	" Curtain										
	50	" " Rod										
	51	" Door Fixture										
	52	" " " Rod										
	53	" Ventilator										
	54	" " Fixture										
	55	" " Handle										
	56	" Arm Rest										
	57	" Seat										
	58	" " Cushion										
	59	" Seat Post										
	60	" " Hinge										
	61	" " Rod										

Check	Item	TITLE	No. Pce.	PRINCIPAL DRAWING		No. Pce.	FORGINGS	No. Pce.	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes		Sketch No.		Cast Iron	Cast Steel	Brass	Mal. Iron
	1	CAB Tool Box										
	2	" " " Cushion										
	3	" Firing Deck										
	4	" " " Plate										
	5	" Wind Sheet										
	6											
	7											
	8											
	9											
	10	COCKS (Plug Type)										
	11	Ash Pan Cock										
	12											
	13	Drip Cock										
	14											
	15	Feed Cock										
	16											
	17	Steam Gauge Cock										
	18											
	19	Tank Cock										
	20											
	21	Blow Off Cock										
	22	" " " Cap										
	23	" " " Plug										
	24	" " " Nut										
	25	" " " Washer										
	26											
	27	Oil Cock										
	28	" " Cap										
	29	" " Plug										
	30	" " Nut										
	31	" " Washer										
	32											
	33	Plug Cock										
	34	" " Cap										
	35	" " Plug										
	36	" " Nut										
	37	" " Washer										
	38											
	39											
	40											
	41											
	42	COCKS (Valve Type)										
	43	Cylinder Cock										
	44	" " Nut										
	45	" " Shank										
	46	" " Valve										
	47											
	48	Gauge Cock										
	49	" " Valve										
	50	" " Cap										
	51	" " Stem										
	52	" " Gland										
	53	" " Nut										
	54											
	55	Port Cock										
	56											
	57	Water Gauge Cock										
	58											
	59											
	60											
	61											

Check		Item	TITLE	No. Pce.	PRINCIPAL DRAWING Card No.	PRINCIPAL DRAWING Construction Notes	No. Pce.	FORGINGS Sketch No.	No. Pce.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		1	COCK RIGGINGS										
		2	Blow-off Cock Rigging										
		3	" " " Handle										
		4	" " " Rod										
		5											
		6	Cylinder Cock Rigging										
		7	" " Eye Bolt										
		8	" " Hand Lever										
		9	" " Rod Lever										
		10	Cylinder Cock Lever										
		11	" " Rod										
		12	" " Lever Fulcrum										
		13											
		14	CONNECTING RODS										
		15	Crosshead Pin Brass—Top										
		16	Crosshead Pin Brass—Bottom										
		17	Crank Pin Brass—Top										
		18	Crank Pin Brass—Bottom										
		19	Connecting Rod Strap										
		20	" " Wedge—Top										
		21	" " Wedge—Bottom										
		22	" " Key—Top										
		23	" " Key—Bottom										
		24											
		25											
		26	CROSSHEAD										
		27	" Shoe										
		28	" Guide										
		29	" Pin										
		30											
A	D	31	COUPLING RING	4	4835		—	4	—	4264	—	—
	D	32	" "	—			—	8	—	4265	—	—
		33	" "	—			—	—				
		34	" "	—			—	—				
S	D	35	" " Oil Cellar	—			—	16	4266	—	—	—
		36	" " " "	—			—	—				
		37	" " " "	—			—	—				
		38	" " " "	—			—	—				
S	D	39	" " Bushings—Front	—			—	8	—	—	02601	—
		40	" " Bushings—No. 2	—			—	—				
		41	" " Bushings—No. 3	—			—	—				
S	D	42	" " Bushings—Rear	—			—	8	—	—	02601	—
		43										
		44											
		45	CRANK SHAFT										
		46	Counterbalance										
		47	" Weight										
		48	" "										
		49	" "										
		50	" Yoke										
A	D	51	Horn Coupling	2	9025-SET 9		—	2	—	7010	—	—
		52	" "	—			—	—				
		53											
		54											
		55											
		56	CYL. HEAD COVER										
		57	Valve Chamber Head Cover										
		58											
		59	CYLINDER HOOD										
		60											
		61											

Check	Item	TITLE	No. Pce.	PRINCIPAL DRAWING		No. Pce.	FORGINGS	No. Pce.	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes		Sketch No.		Cast Iron	Cast Steel	Brass	Mal. Iron
	1	CYLINDER										
	2	"										
	3	Cylinder Head										
	4	" " Casing										
	5	" Frame										
	6	" "										
	7	" Guide										
	8	" "										
	9	Steam Chest Cover										
	10	Steam Chest Casing										
	11	Valve Chamber Head										
	12	" " "										
	13	" " Cover										
	14	" " Bushing										
	15	" Stem Crosshead										
	16	" Stem Crosshead Guide										
	17	" Stem Crosshead Guide Plates										
	18											
	19											
	20	DOME CASING Base										
	21	" " Shell										
	22	" " Top										
	23	" Flow Bowl										
	24	Auxiliary Dome Casing										
	25	" Flow Bowl										
	26											
	27											
ASID	28	DRAWHEAD	2	A 10478 A-10476		—		2	9886	—	—	—
	29	Draw Gear Brace										
	30	" " "										
	31	" " Frame										
	32	" " " Tie Plate										
	33	" " Friction Plate										
	34	" " Connecting Rod										
	35	" " Yoke										
	36	" " " Block										
	37	Drawbar Guide										
JD	38	Drawpin—Front	—			1	104-F-100	—				
JD	39	" —Back	—			1	104-F-100	—				
	40	Shackle Bar (Eng. & Tender)										
	41	" " Key										
	42	" " Gibs										
	43	" " Brace										
	44	Shackle Bar Pin										
	45	Safety Link										
	46	" " Pins										
	47	Coupler										
	48	" Followers										
	49	" Yoke										
	50	" " Screw										
	51	" Carry Iron										
	52	" Hook										
	53	" Link										
	54	" Lever										
	55	" Screw										
	56	Uncoupling Shaft										
	57	" "										
	58	" " Bracket										
	59	Screw Coupling										
	60											
	61											

Check	Item	TITLE	No. Pce.	PRINCIPAL DRAWING Card No.	PRINCIPAL DRAWING Construction Notes	No. Pce.	FORGINGS Sketch No.	No. Pce.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
	1	DRY PIPE										
	2	" " Ring										
	3	" " Support										
	4	" " Yoke										
	5											
	6											
	7											
	8											
	9	ECCENTRIC—No. 1 Cylinder										
	10	" No. 3 Cylinder										
	11	" No. 2 Cylinder—Top										
	12	" No. 2 Cylinder—Bot.										
	13											
	14											
	15	ECCENTRIC Strap Top										
	16	" " Bottom										
	17	" " Liner										
	18	" " Filler										
	19											
	20											
	21	ECCENTRIC Rod										
	22	" "										
	23											
	24											
	25	ELBOWS										
	26	Safety Valve Elbow										
	27	Whistle Elbow										
	28											
	29											
	30	EXTENSIONS										
	31	Blow Off Extension										
	32	Gauge Cock Extension										
	33	Water Gauge Extension										
	34	Lubricator Valve Extension										
	35	Safety Valve Extension										
	36	Whistle Extension										
	37											
	38											
XO	39	ERECTING PLAN—Elevation	1	A-16213		—		—				
XO	40	" " —Sections	1	B-13201		—		—				
	41	" Frame Supplement										
	42											
LD	43	END TIMBER Arrangement	1	B-10328 LINE 1		—		—				
LD	44	" " "	1	B-10328 LINE 2		—		—				
	45	" " Channels	—			—		—				
	46											
	47											
	48	EXHAUST Drop Pipe										
DAIS	49	" " Pipe Flange	1	12828 SET 13		—		1	5344	—	—	—
	50	" Nozzle										
	51	" "										
	52	" "										
	53	" Extension										
	54	" Gland										
	55	" Reducer										
	56	" Reducer Gland										
	57	" Reducer Elbow										
	58	" Pipe Extension										
	59	" Pipe Elbow										
	60	" " Joint Ring										
	61											

Check	Item	TITLE	No. Pce.	PRINCIPAL DRAWING Card No.	PRINCIPAL DRAWING Construction Notes	No. Pce.	FORGINGS Sketch No.	No. Pce.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
X H	1	EXPANSION PLATE	1	12369	STEEL PLATE	—		—				
	2											
	3											
	4	FURNACE BEARER	—									
	5	" "	—									
AS D	6	Boiler Pad—Right	1	10719 SET 2		—	2818	1	9884 ~~2818~~	—	—	—
AS D	7	" " —Left	1	~~5558~~ 10719 SET 3		—	5263	1	9885 ~~5263~~	—	—	—
	8											
	9											
	10	FEED WATER WORK										
	11	" Pipe Hanger										
	12	" Hose Connection										
	13	" Hose Con. Nuts										
	14	" Hose Con. Nipples										
	15											
	16											
	17	FIRE BRICK										
	18	" " Arch Tube										
	19	" " " " Setting										
	20											
	21											
	22	FIRE DOOR										
	23	" " Frame										
	24	" " Liner										
	25	" " Latch										
	26	" " " Guide										
	27	" " Catch										
	28	" " Details										
	29	" " Register										
DAS	30	" " Oil Can Shelf	1	11422					01890			
	31	" " Shield										
JD	32	" " HANDLE SELF BRACKET	—				1 127-F-5	—				
JD	33	" " OIL CAN SHELF BRACKET	—				1 119-F-136	—				
	34	FLANGES										
	35											
	36											
	37											
	38	FRAME										
	39	" Boiler Saddle										
	40	" " Pad Clamp										
	41	" Bolster Brace										
	42	" Bolster Fill Blocks										
	43	" Centre Plate										
	44	" Filling Block										
	45	" Side Bearing—Right										
	46	" Side Bearing—Left										
	47	" Spreader										
	48	" Smoke Box Pad										
	49	" Truss Pad										
	50	" Truss Post Head										
	51	" Truss Post Socket										
	52	" Truss Rod Washers										
	53	Main Truss Rod—Right										
	54	Main Truss Rod—Left										
	55	Truss Rod Ends										
	56	" " "										
	57	" " "										
	58	" " "										
	59	Truss Rod Columns										
	60	" " "										
	61	" Post Guides	1	12408 SET 5		—						

Check	Item	TITLE	No. Pce.	PRINCIPAL DRAWING		No. Pce.	FORGINGS	No. Pce.	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes		Sketch No.		Cast Iron	Cast Steel	Brass	Mal. Iron
		FRAME (Cont.)										
	1	Frame Brace										
	2	" "										
	3	" "										
	4	" "										
	5	" End Timber—F.										
	6	" " " —B.										
FO	7	Drawhead Blocks	2	A-10306 SET 8		—		—				
	8	Frame Pit Irons										
	9	" " "										
	10	" " "										
	11	" " "										
	12	" End Casting										
	13	" " Timber Brace										
	14	" Quadrant Bracket										
	15	" Running Board Bracket										
	16	" Grate Shaker Bracket										
	17	" Brake Cylinder Bracket										
	18	" Smoke Box Brace Pad										
	19											
	20											
	21											
	22											
	23											
	24											
	25	FRAME BODY BRAKE										
	26	Brake Cyl. Support										
	27	Brake Lever										
	28	" "										
	29	" "										
	30	" "										
	31	" "										
	32	" "										
	33	" "										
	34	" "										
	35	Brake Lever Fulcrums										
	36	" " "										
	37	" " "										
	38	Brake Lever Guides										
	39	" " "										
	40	" " "										
	41	" " "										
	42	" " "										
	43	" " "										
	44	Brake Rods										
	45	" "										
	46	" "										
	47	" "										
	48	" "										
	49	" "										
	50											
	51											
	52											
	53											
	54											
	55	FUEL BUNK										
	56	" Rack										
	57	" Board										
	58											
	59	FUEL BUNK GATE										
	60											
	61											

Check	Item	TITLE	No. Pce.	PRINCIPAL DRAWING		No. Pce.	FORGINGS	No. Pce.	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes		Sketch No.		Cast Iron	Cast Steel	Brass	Mal. Iron
	1	GAUGE COCK DRIPPER										
	2											
	3											
	4	GEAR COVERS										
	5											
	6											
	7	GEAR RIM										
	8	" " Bolt										
	9	" " Key										
	10											
	11											
	12											
	13	GRATE ARRANGEMENT										
	14	" Bars										
	15	" "										
	16	" "										
	17	" Bar Connection										
	18	Grate Center Rail										
	19	" Side Rail										
	20	" " "										
	21	" Dead Plate										A
	22	" " "										
	23	" Drop Plate										
	24	" Dump Shaft										
	25	" " " Bearing										
	26	" " Shaft Links										SL
	27	" " Shaft Lever										
	28	" " Lever										
	29	" Shaft Box—Right										AL
	30	" Shaft Box—Left										SL
	31	" Shaft Bracket—Top										
	32	" Shaft Bracket—Bottom										
	33	" Shaker Brackets										
	34	" " "										
	35	" " Lever										
	36	" " Shaft										
	37	" " " Lever										
	38	" " " Hand Lever										AS
	39	" " Lever Connection										AS
	40	" " Connection Bar										AS
	41											
	42											
	43											
	44											
	45											
	46	HAND RAIL										A
	47	" " Balls										
	48	" " Columns										
	49	" " "										
	50	" " "										
	51	" " " Blocks										AS
	52	" " " "										
	53	" " Flanges										
	54	" " Bumper Post										
	55	Handle Column										
	56	" "										
	57	Handles (For Coal Bunk)										
	58	Cab Handle										
	59	End Timber Handles										
	60	" " "										
	61	Tank Handle										

Check	Item	TITLE	No. Pce.	PRINCIPAL DRAWING		No. Pce.	FORGINGS	No. Pce.	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes		Sketch No.		Cast Iron	Cast Steel	Brass	Mal. Iron
		LAGGING & FINISH										
	1	Lagging (Boiler)										
	2	" Panel										
	3	" "										
	4	" "										
	5	" Angle Iron										
	6	" " "										
	7	Jacket (Boiler)										
	8	" Band										
	9	" "										
	10	" Clip										
	11	" "										
	12	Plug Casing										
	13	" "										
	14	" Cover										
	15	Cylinder Lagging										
	16	" Jacket										
	17											
	18											
	19											
	20											
A D	21	LINE SHAFT	1 PAIR	9163 LINE 2		—		—				
J D	22	" " —Front	—			1	FINISH SIZES 2¼ DIA x 69 5/8"	—				
	23	" " —2nd Truck	—			—		—				
	24	" " —3rd Truck	—			—		—				
J D	25	" " —Rear	—			1	FINISH SIZES 2¼ DIA x 72 13/16	—				
SL D	26	" " Bearings—Outside	—			—		4	—	—	936	—
	27	" " " "	—			—		—				
	28	" " " "	—			—		—				
AL D	29	" " " ✈	4 PAIR	9270 SET 9		—		—	—	—		—
SL D	30	" " Bearings—Inside	—			—		4	—	—	937	—
	31	" " " "	—			—		—				
	32	" " " "	—			—		—				
	33	" " " "	—			—		—				
	34	" " Bearing Plates	—			—		—				
	35	" " " "	—			—		—				
	36	" " " "	—			—		—				
	37	" " " "	—			—		—				
AS D	38	" " Collar	2	9179 SET 23		—		2	7784	—	—	—
AS D	39	" " "	2	9179 SET 24		—		2	7784	—	—	—
AS D	40	" " "	1	9167 SET 26		—		1	5785	—	—	—
	41	" " Brass	—			—		—				
	42	" " "	—			—		—				
	43	" " "	—			—		—				
	44	" " "	—			—		—				
A D	45	" " Coupling	2	9055 SET 4		—		2	—	9714	—	—
	46	" " "	—			—		—				
	47	" " "	—			—		—				
	48	" " "	—			—		—				
D	49	" " Pinion	—			—		4	—	23	—	—
	50	" " "	—			—		—				
AS D	51	" " Washer	3	9118 SET 21		—		3	1336	—	—	—
	52	" " "	—			—		—				
	53	" " "	—			—		—				
	54	" " "	—			—		—				
	55											
	56											
	57											
	58											
	59											
	60											
	61											

Check	Item	TITLE	No. Pce.	PRINCIPAL DRAWING		No. Pce.	FORGINGS	No. Pce.	CASTINGS—PATTERN NUMBERS				Che
				Card No.	Construction Notes		Sketch No.		Cast Iron	Cast Steel	Brass	Mal. Iron	
	1	LINK											
	2	" —Top Half											
	3	" —Bottom Half											
	4	" Saddle											
	5	" Block											
	6	Link Hanger											
	7	" Block Pin											
	8	" Lifter											
	9	" " Pin											
	10												
	11												
	12												
A.S.D.	13	NUMBER PLATE	1	12909 STYLE	ROAD NO 56 ~~NONE~~ —			1	—	—	9739	—	
	14	Builders Card											
	15	Name Plate											
	16	Patent Plate											
	17	Property Plate											
	18												
	19												
	20	OIL PAN											
	21	" Pan Damper Rigging											
	22												
	23												
	24	OIL BURNER											
	25	" " Support											
	26	Oil Cock Rigging											
	27	" Cock Rod											
	28	" " Shaft											
	29	" " " Hanger											
	30	" " Arm											
	31	" Operating Handle											
	32	" Heater											
	33	" Heater Support											
	34	" Burning Arrangement											
	35	" Piping Plan											
	36												
	37												
	38												
	39	OIL CUPS											
	40	Bottom Bracket Oil Cup											
	41	" " Oil Cup Cover											
	42	" " Oil Cup Hinge Lugs											
	43	Crosshead Oil Cup											
	44	" " " Cap											
	45	" " " Nut											
	46	Ecc. Strap Oil Cup											
	47	" " " " Cap											
	48	" " " " Nut											
	49	Gear Oil Cups											
	50	Gear Oil Cup Covers											
	51	Guide Oil Cup											
	52	" " " Cap											
	53	" " " Nut											
	54	Link Oil Cup											
	55	" " " Cap											
	56	" " " Nut											
	57	Packing Oil Cup											
	58	" " " Cap											
	59	" " " Nut											
	60												
	61												

Check	Item	TITLE	No. Pce.	PRINCIPAL DRAWING		No. Pce.	FORGINGS	No. Pce.	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes		Sketch No.		Cast Iron	Cast Steel	Brass	Mal. Iron
		OIL CUPS (Cont.)										
	1	Rod Oil Cup										
	2	" " " Cap										
	3	" " " Nut										
	4	" " " Plug										
	5	Tumb. Shaft Oil Cup										
	6	" " " " Cap										
	7	" " " " Nut										
	8	Truck Box Oil Cup Cover—R. Box										
	9	" " Oil Cup Cover—L. Box										
	10	" " Oil Cup Cover Hinge Plate										
	11	Valve Stem Oil Cup										
	12											
	13											
	14											
	15											
	16	PILOT										
	17	Pilot Band										
	18	" Bottom Plate										
	19	" Corner Iron										
	20	" Brace										
	21	" Knee										
	22	Push Pole Pockets										
	23											
	24											
	25											
	26	PIPE HANGERS										
	27											
	28											
	29											
	30	PIPING PLAN										
	31											
	32											
	33	PIPE FITTINGS										
	34	Air Gauge Fitting										
	35	Air Pump Oil Fitting										
	36	" " " " Nut										
	37	" " " " Swivel										
	38	Blower Fitting										
	39	" " Nut										
	40	Brake Release Check										
	41	Brake Release Check Valve										
	42	Brake Ex.Fitting										
	43	" " " Nut										
	44	Coal Sprinkler Fitting										
	45	" " " Nut										
	46	" " " Swivel										
	47	Cylinder Oil Pipe Fitting										
	48	" " " " Nut										
	49	" " " " "										
	50	" " " " Swivel										
	51	" " " Bracket										
	52	Angle Valve Nut										
	53	" " Swivel										
	54	Through Valve Nut										
	55	" " Swivel										
	56	Oil Cock Nut										
	57	" " Swivel										
	58											
	59											
	60											
	61											

Check	Item	TITLE	No. Pce.	PRINCIPAL DRAWING		No. Pce.	FORGINGS	No. Pce.	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes		Sketch No.		Cast Iron	Cast Steel	Brass	Mal. Iron
	1	PIPE UNIONS										
	2	Check Pipe Union										
	3	" " " Nut										
	4	" " " Swivel										
	5	Oil Pipe Union										
	6	" " " Nut										
	7	" " " Swivel										
	8	Steam Pipe Union										
	9	" " " Nut										
	10	" " " Swivel										
	11											
	12											
	13											
	14	PISTON HEAD										
	15	" Packing Rings										
	16	" Rod										
	17	" " Key										
	18											
	19											
	20											
	21	PISTON ROD PACKING										
	22	Packing Rings										
	23	" Spring Washer										
	24	" Swab Cup										
	25	" Follower										
	26	Piston Rod Stuffing Box										
	27	" " Stuffing Box Gland										
	28	" " Vibrating Cups										
	29	" " Spring Washer										
	30											
	31											
	32	PACKING STUDS										
	33	" "										
	34											
	35	PLUGS										
	36	Arch Tube Plug										
	37	Back Head Plug										
	38	Crown Plug										
	39	Ecc. Strap Plug										
	40	Firebox Plug										
	41	" "										
	42	Fusible Plug										
	43	Indicator Plug										
	44	Smoke Box Plug										
	45	Tube Sheet Plug										
	46	Test Plug										
	47	Waist Plug										
	48	Washout Plug Valve										
	49											
	50											
	51											
	52											
FD	53	RUNNING BOARD	1	A-10914	WOOD	—		—				
	54	" " Bracket										
	55	" " "										
	56	" " "										
	57	" " "										
	58	" " "										
	59	" " "										
	60	" " PLATE	1-PAIR	A-10914	STEEL PLATE RUN BOARD CD	—		—				
	61											

Check	Item	TITLE	No. Pce.	PRINCIPAL DRAWING		No. Pce.	FORGINGS	No. Pce.	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes		Sketch No.		Cast Iron	Cast Steel	Brass	Mal. Iron
	1	REVERSE LEVER										
	2	" " Arrangement										
	3	" " Handle										
	4	" " Latch										
	5	" " " Guide										
	6	" " " Rod										
	7	" " Latch Details										
	8	" " Quadrant										
	9	" " " Support										
	10	" " " Bracket										
	11	" " " Plate										
	12	" " Fulcrum										
	13	" " " Bracket										
	14	" " Foot Rest										
	15	" " Ball Coupling										
	16	" " Shaft										
	17	" " " Length										
	18	" " " Stand										
	19											
	20											
	21	SAND BOX—Front										
	22	" " Base										
	23	Sand Box Top										
	24	Sand Box Lid										
	25	Sand Box Valve										
	26	Sand Box Lever—Short										
	27	Sand Box Lever—Long										
	28	Sand Box Rod Handle										
	29	Sand Box Rigging										
	30	" " Valve										
	31	" " "										
	32	" " Arm										
	33	" " "										
	34	" " Rod										
	35	" " Lever										
	36	Air Sander										
	37											
XHD	38	SAND BOX—Back	2	12205/LINE 4 5								
	39	Back Sand Box Base										
	40	Back Sand Box Top										
	41	Back Sand Box Covers										
	42	Back Sand Box Valve										
	43	Back Sand Box Shaft Hanger										
	44	Back Sand Box Shaft Hanger Caps										
	45	Back Sand Box Hand Lever										
	46	" " " " " Fulcrum										
	47	" " " " " Rod										
	48	" " " Horiz. Lever										
	49	" " " " " Fulcrum										
	50	" " " " " Guide										
	51	" " " Rod Jaws										
	52	" " " " "										
	53	" " " Shaft										
	54	" " " " Lever										
	55	" " " Valve Lever										
	56	" " " Valve Rod										
	57	" " " " "										
	58	" " " " " Conn.										
	59	" " " Rod Bell Crank										
	60	" " " " " " Fulcrum										
AD	61	" " " ARRANGEMENT	1	12256 12415		—		—				

Check	Item	TITLE	No. Pce.	PRINCIPAL DRAWING Card No.	PRINCIPAL DRAWING Construction Notes	No. Pce.	FORGINGS Sketch No.	No. Pce.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
	1	SIGNAL FIXTURES										
	2	Flag Socket										
	3	Lamp Bracket										
	4	Headlight Bracket										
	5	" Shelf										
	6											
	7											
	8	SIPHON										
	9	" Tube										
	10	" Pipe Flange										
	11	" Goose Neck										
	12	" Stand Pipe										
	13	" Stand Pipe Flange										
	14	" " " "										
	15	" Hose Strainer										
	16	" Hose Strainer Body										
	17	" Hose Strainer Cap										
	18											
	19											
A J	20	SMOKE BOX Brace—Right	1	13006 SET 1	DRILL TO SUIT F.S.	1	130-F-8					
A J	21	" " Brace—Left	1	13006 " 1	" " " "	1	130-F-7					
	22											
	23											
	24	SMOKE BOX FRONT										
	25	" " " Door										
	26	" " " Liner										
	27	" " Door Liner										
	28	" " " Buttons										
	29											
	30											
	31	SMOKE BOX ARRANGEMENT										
	32	" " Deflecting Plate										
	33	Deflecting Plate Angle										
	34	Draft Pipe										
	35	" " Hanger										
	36	" " "										
	37	" " "										
	38	Netting Frame										
	39	" Ring										
	40	Cinder Pocket										
	41	Cinder Pot Base										
	42	Cinder Pot Lid										
	43	Cinder Pot Hand Wheel										
	44	Cinder Pot Yoke										
	45	Cleaning Hole										
	46	Cleaning Hole Flange										
	47	Cleaning Hole Cover										
	48											
	49											
	50											
A J D	51	SQUARE SHAFT—Front	1	9017 SET 6 LINE 3		1	90-F-27	—				
A J D	52	" " —Back	1	9017 SET 6 LINE 4		1	90-F 28	—				
	53	" "	—			—		—				
	54	" "	—			—		—				
	55	" "	—			—		—				
A D	56	" " Sleeve	1	9021 LINE 2		—		1	—	9836	—	—
A D	57	" " "	1	9021 LINE 3		—		1	—	9837	—	—
	58	" " "	—			—		—				
	59	" " "	—			—		—				
	60											
	61											

Check	Item	TITLE	No. Pce.	PRINCIPAL DRAWING		No. Pce.	FORGINGS	No. Pce.	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes		Sketch No.		Cast Iron	Cast Steel	Brass	Mal. Iron
	1	SMOKE STACK (Type)										
	2	Smoke Stack Base										
	3	" " Extension										
	4	" " Top										
	5	" " Cone										
	6	" " Ring										
	7	" " Cleaning Hole										
	8	" " " " Cap										
	9	" " Cone Bracket										
	10	" " Hasp										
	11	" " Hinge										
	12	" " " Lugs										
	13	" " Hook										
	14	" " Ring										
	15	" " " Angle										
	16	" " Staple										
	17	" " Saddle										
	18											
	19											
	20											
	21	SNOW PLOW										
	22											
	23											
	24	SPEED RECORDER RIGGING										
	25											
	26											
A SX D	27	STEAM BRACKET	1	15650 LINE 3		—		1	9883	—	—	—
	28	" " Back	—			—		—				
	29	" " Brace										
	30											
	31											
	32											
	33	STEAM PIPES										
	34	" " Top Flange										
	35	" " Bottom Flange										
	36	" " Elbow										
	37	" " "										
	38	" " Tee Head										
	39	" " Joint Ring										
	40	" " " "										
	41	" " Casing										
	42	" " Flange										
J D	43	" " Nipple	2	A-12124 SET 9		2	121-F-37 (36)					
	44											
	45											
	46	STEPS										
	47	Bottom Bracket Step										
	48	Cab Step										
	49	" "										
	50	" " Brace										
	51	Cylinder Step										
	52	Cylinder Hood Step										
	53	Dynamo Step										
	54	End Timber Step—Front										
	55	" " " —Back										
	56	Headlight Step										
	57	Pilot Step										
	58	Sand Box Step										
	59	Step Hangers										
	60	Tank Ladder										
	61											

Check	Item	TITLE	No. Pce.	PRINCIPAL DRAWING Card No.	PRINCIPAL DRAWING Construction Notes	No. Pce.	FORGINGS Sketch No.	No. Pce.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
	1	SUPERHEATER										
	2	Superheater Header										
	3	" Return Bends										
	4	" " "										
	5	" " "										
	6	" Pipe Clamp										
	7	" " " Bolt										
	8	" Dummy Coupling										
	9	" Unit										
	10	" Return Bends										
	11	" " "										
	12	" " "										
	13	" Pipe Support										
	14	" " Band										
	15	" Damper										
	16	" Damper Cylinder										
	17	" " " Head										
	18	" " " Piston										
	19	" Damper Cyl. Piston Rod										
	20	" " " Support										
	21	" " Arm										
	22	" " Rod										
	23	" " Shaft										
	24	" " Shaft Bearing										
	25	" " Hinge										
	26	" " Counterweight										
	27	" Deflector Handle										
	28	" Steam Pipe Rings										
	29	" " " "										
	30											
	31											
	32											
	33											
	34											
	35	TANK—Water										
	36	" Material Bill										
	37	Tank Coal Gate										
	38	" Funnel										
	39	" " Lid										
	40	" Funnel Hinge										
	41	" " Handle										
	42	Tank Lug	#3			#3						
	43	" "	1	A-15139 STYLE C		1	151-F-65	—				
	44	" "										
	45	" Fuel Rack										
	46	" Shoveling Sheet										
	47											
	48											
	49											
	50											
	51	TANK—Oil										
	52	" Material Bill										
	53	" Funnel										
	54	" Lug										
	55	Tank Valve										
	56	Oil Tank Valve Rigging										
	57											
	58											
	59											
	60											
	61											

Check	Item	TITLE	No. Pce.	PRINCIPAL DRAWING		No. Pce.	FORGINGS	No. Pce.	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes		Sketch No.		Cast Iron	Cast Steel	Brass	Mal. Iron
	1	TANK Valve										
	2	" " Details										
	3	Tank Valve Body										
	4	" " Body Plate										
	5	" " Bottom Plate										
	6	" " Top Plate										
	7	" " Cap										
	8	" " Handle										
	9	" Valve Stem										
	10	" " "										
	11	" " Stem Nut										
	12	" " Stem Handle										
	13	" " Stem Clamp Nut										
	14	Tank Valve Seat										
	15	Tank Valve Rigging										
	16											
	17											
	18											
	19											
	20	TENDER FRAME										
	21	" " Bolster—Top										
	22	" " Bolster—Bot.										
	23	" " Brace										
	24	" " "										
	25	" " "										
	26	Frame Centre Plate										
	27	" End Casting										
	28	" " Timber Brace										
	29	" Side Bearings										
	30	" Running Board Bracket										
	31											
	32											
	33											
	34	THROTTLE Arrangement										
	35	Throttle Valve										
	36	" Case										
	37	" Valve Stem										
	38	" Joint Ring										
	39	" Pipe Flange										
	40	" Bell Crank										
	41	" " " Fulcrum										
	42	" Pipe Support										
	43	" " Yoke										
	44	" " Bracket										
	45	" " "										
	46	" Stuffing Box										
	47	" " " Flange										
	48	" " " Gland										
	49											
	50											
	51											
	52	THROTTLE LEVER										
	53	Throttle Lever Handle										
	54	" " Latch										
	55	" " Quadrant										
	56	" " Fulcrum										
	57	" " Guide										
	58	" " Rod										
	59	" " Support										
	60											
	61											

Check	Item	TITLE	No. Pce.	PRINCIPAL DRAWING		No. Pce.	FORGINGS	No. Pce.	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes		Sketch No.		Cast Iron	Cast Steel	Brass	Mal. Iron
	1	TOOL BOX	—			—		—				
	2											
	3											
	4	TRUCK PLAN										
L	5	" ~~Supplement~~ BOLSTERS	2-SET	9573								
	6	" Frame										
	7	" Right Arch Bar			7/8" BAR USED							
	8	" Left Arch Bar			" " "							
	9	" Right Inverted Arch Bar			" " "							
	10	" Left Inverted Arch Bar			" " "							
	11	" Bottom Tie Bar										
	12	" " " "										
	13	" " " Fill. Block										
	14	" Column—Right										
	15	" " —Left										
JL D	16	" Crosstie Bar—Top	4	A 9755 SET 10		4	97-F-74	—				
	17	" " " "	—			—		—				
JL D	18	" " " —Bottom	4	A-9755 SET 11		4	97-F-94	—				
	19	" " Washer										
	20	" Top Cross Tie—Ends										
	21	" Bottom Cross Tie—Ends										
JL D	22	" Diagonal Braces	2-PAIR	A-9784 LINE 2		2R	97-F-82	—				
JL D	23	" " "	—			2L	97-F-82	—				
	24	" Equalizer	—			—		—				
	25	" Bolster End Casting—R.										
	26	" Bolster End Casting—L.										
	27	" Bolster End Separator										
	28	" " Spring Centers										
	29	" Center Plate										
	30	" Side Bearing										
	31	" Side Bearing Base										
	32	" Side Bearing Block										
	33	" Tie Bar Bolster Washers										
	34	" Brake Lug										
	35	" Pedestal Strut										
	36	" Gear Cover Bracket										
	37	" " " "										
	38	" Sand Hose Guides										
	39	" Safety Chain—To Frame										
	40	" " " " "										
	41											
	42											
	43											
L D	44	TRUCK BRAKE Beam	4	9879 LINE 3		—		—				
	45	" " " Saf'y Ch'ns										
	46	" " Beam Safety Loop										
	47	" " Hanger										
	48	" " Lever										
	49	" " "										
	50	" " "										
	51	" " "										
	52	" " "										
	53	" " "										
	54	" " Lever Fulcrum										
	55	" " Stop Lug										
	56	" " Rod										
	57	" " "										
	58	" " "										
	59	" " "										
	60											
	61											

Check	Item	TITLE	No. Pce.	PRINCIPAL DRAWING		No. Pce.	FORGINGS	No. Pce.	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes		Sketch No.		Cast Iron	Cast Steel	Brass	Mal. Iron
	1	TRUCK BOX—Right										
	2	" " "										
	3	" " "										
	4	" " "										
	5	" Box Cap—Right										
	6	" " " "										
	7	" " " "										
	8	" " " "										
	9	" Pedestal										
	10	" " Cap										
	11	" Box—Inside										
	12	" " Cap—Inside										
	13	" Inside Box Spring Center										
	14	" " Thrust Plate										
	15	" Oil Box Lid										
	16	" Journal Brass										
	17	" " " Wedge										
	18	Journal Brass Babbiting										
	19											
	20											
	21											
	22											
L D	23	TRUCK AXLE	4	A-10274	#136	—		—				
	24											
	25											
	26	TRUCK WHEEL										
	27	" "										
	28	" "										
	29	" "										
	30	" " Tire										
	31	" " Hub Plate										
	32											
	33											
Ad D	34	TUMBLING SHAFT	1	8203 SET 1	ANGLE A 5 1/4°	1	82-F-7	—				
	35	" " Arm	—									
	36	" " Collar	—									
	37	" " Box	—									
	38	" " Box Cap										
	39	" " Coupling Ball										
	40	" " Coupling Socket	—									
	41	" " Coupling Cap	—									
	42											
	43											
	44											
	45											
	46	TURRET										
	47	" Ball Joint										
	48	" Stuffing Box										
	49	" Stuffing Box Nut										
	50	" Stuffing Box Follower										
	51	" Master Valve										
	52	" Master Valve Nut										
	53	" Master Valve Stem										
	54	" Bonnet Ring										
	55	" Joint Ring										
	56	Turret (Auxiliary)										
	57	Safety Valve Turret										
	58	" " " Bushing										
	59	" " " Ring										
	60											
	61											

Check	Item	TITLE	No. Pce.	PRINCIPAL DRAWING		No. Pce.	FORGINGS	No. Pce.	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes		Sketch No.		Cast Iron	Cast Steel	Brass	Mal. Iron
		VALVES (Globe)										
	1	Brake Stop Valve										
	2	" " "										
	3											
	4											
	5	Bell Ringer Valve										
	6											
	7	Blow-off Valve										
	8											
	9	Cinder Swipe Valve										
	10											
	11	Drip Valve										
	12											
	13	Heater Valve										
	14											
	15	Lubricator Valve										
	16											
	17	Siphon Valve										
	18											
	19	Angle Valve										
	20	" " Cap										
	21	" " Stem										
	22	" " Gland										
	23	" " Nut										
	24											
	25	Blower Valve										
	26	" " Cap										
	27	" " Stem										
	28	" " Gland										
	29	" " Nut										
	30											
	31	Dynamo Valve										
	32	" " Cap										
	33	" " Stem										
	34	" " Gland										
	35	" " Nut										
	36											
	37	Inj. Starting Valve										
	38	" " " Cap										
	39	" " " Stem										
	40	" " " Gland										
	41	" " " Nut										
	42											
	43	Sprinkler Valve										
	44	" " Cap										
	45	" " Stem										
	46	" " Gland										
	47	" " Nut										
	48											
	49	Through Valve										
	50	" " Cap										
	51	" " Stem										
	52	" " Gland										
	53	" " Nut										
	54											
	55	Tire Sprinkler Valve										
	56											
	57											
	58											
	59											
	60											
	61											

Check	Item	TITLE	No. Pce.	PRINCIPAL DRAWING		No. Pce.	FORGINGS	No. Pce.	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes		Sketch No.		Cast Iron	Cast Steel	Brass	Mal. Iron
		VALVES (Relief & Special)										
	1	Brake Relief Valve										
	2	Brake Relief Valve Top										
	3	Brake Relief Valve Base										
	4	Steam Chest Relief Valve										
	5	Steam Chest Relief Valve Base										
	6	Steam Chest Relief Valve Cap										
	7											
	8											
	9											
	10	VALVES (DISTRIBUTION)										
	11	Piston Valve										
	12	Piston Valve Follower										
	13	" " T-Ring										
	14	" " Snap Ring										
	15	Slide Valve										
	16	" " Plate										
	17	" " Packing Strip										
	18	" " " "										
	19	" " Ring										
	20											
	21											
	22											
	23	VALVE STEM										
	24	" " Crosshead										
	25	" " " Guide										
	26	" " Crosshead Gibs										
	27											
	28											
	29	VALVE YOKE										
	30	" " Block										
	31	" " Key										
	32											
	33											
	34	VALVE STEM PACKING										
	35	Packing Rings										
	36	" Spring Washer										
	37	" Swab Cup										
	38	" Vibrating Cup										
	39	" Follower										
	40	Valve Stem Stuffing Box										
	41	" " Stuffing Box Gland										
	42	" " Spring Washer										
	43											
	44											
	45											
	46	WHISTLE										
	47	" Bowl										
	48	" Bell										
	49	" Valve										
	50	" Gland										
	51	" Nut										
	52	" Diaphragm										
	53	" Lever										
	54											
	55											
	56	WHISTLE Hand Lever										
	57	" " " Fulcrum										
	58	" Rod										
	59	" Bell Crank										
	60	" Rod Thimble										
	61											

Check	Item	TITLE	No. Pce.	PRINCIPAL DRAWING		No. Pce.	FORGINGS	No. Pce.	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes		Sketch No.		Cast Iron	Cast Steel	Brass	Mal. Iron
	1	WATER GAUGE										
	2	" " Upper Fitting										
	3	" " " " Cap										
	4	" " " " Valve										
	5	" " " " Stem										
	6	" " " " Gland										
	7	" " " " Nut										
	8	" " " " Washer										
	9	" " Lower Fitting										
	10	" " " " Cap										
	11	" " " " Valve										
	12	" " " " Stem										
	13	" " " " Gland										
	14	" " " " Nut										
	15	" " " " Washer										
	16	" " Cock Elbow										
	17	Water Gauge Lamp Bracket										
	18	" " Marker										
	19	" " Marker Bracket										
	20											
	21											
	22											
	23											
	24											
	25											
	26											
	27											
	28											
	29											
	30											
	31											
	32											
	33											
	34											
	35											
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	38											
	39											
	40											
	41											
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	49											
	50											
	51											
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